

CPC**COOPERATIVE PATENT CLASSIFICATION****B64D****EQUIPMENT FOR FITTING IN OR TO AIRCRAFT; FLYING SUITS; PARACHUTES; ARRANGEMENTS OR MOUNTING OF POWERPLANTS OR PROPULSION TRANSMISSIONS****WARNING**

[B64D 15/18](#) covered by [B64D 15/16](#) [B64D 25/102](#) covered by [B64D 25/10](#) [B64D 25/105](#) covered by [B64D 25/10](#) [B64D 25/108](#) covered by [B64D 25/10](#) [B64D 25/11](#) covered by [B64D 25/10](#) [B64D 25/112](#) covered by [B64D 25/10](#) [B64D 25/115](#) covered by [B64D 25/10](#) [B64D 25/118](#) covered by [B64D 25/10](#)

B64D 1/00

Dropping, ejecting, releasing, or receiving articles, liquids, or the like, in flight (with respect to weapon sights devices [F41G](#) takes precedence, parachutes per se [B64D 17/00](#); ejectable seats [B64D 25/10](#); ejectable capsules [B64D 25/12](#); refuelling during flight [B64D 39/00](#); launching apparatus for projecting projectiles or missiles [F41F 1/00](#), [F41F 7/00](#); rocket or torpedo launchers [F41F 3/00](#))

B64D 1/02

- . Dropping, ejecting, or releasing articles (jettisonable fuel reservoirs [B64D 37/12](#))

B64D 1/04

- .. the articles being explosive, e.g. bombs (arming or setting bomb fuzes [F42C](#))

B64D 1/06

- ... Bomb releasing; Bombs doors

B64D 1/08

- .. the articles being load-carrying devices

B64D 1/10

- ... Stowage arrangements for the devices in aircraft

B64D 1/12

- ... Releasing

B64D 1/14

- ... Absorbing landing shocks

B64D 1/16

- . Dropping or releasing powdered, liquid, or gaseous matter, e.g. for fire-fighting (jettisoning fuel [B64D 37/26](#))

B64D 1/18

- .. by spraying, e.g. insecticides (spraying apparatus per se [B05B](#))

B64D 1/20

- .. for sky-writing

B64D 1/22

- . Taking-up articles from earth`s surface

B64D 3/00

Aircraft adaptations to facilitate towing or being towed ([B64D 39/00](#) takes precedence; ground installations for launching or towing aircraft [B64F](#); towing ropes per se [D07B](#))

B64D 3/02

- . for towing targets (towed targets per se [F41J](#))

B64D 5/00

Aircraft transported by aircraft, e.g. for release or reberthing during flight (flying units formed by separate aircraft [B64C 37/02](#))

- B64D 7/00** **Arrangements of military equipment, e.g. armaments, armament accessories, or military shielding, in aircraft; Adaptations of armament mountings for aircraft (dropping bombs or the like [B64D 1/00](#); armaments or mountings therefor per se [F41](#))**
- B64D 7/02 . the armaments being firearms
- B64D 7/04 .. fixedly mounted
- B64D 7/06 .. movably mounted
- B64D 7/08 . Arrangements of rocket launchers {or releasing means}(rocket launchers per se, e.g. rocket pods, [F41F 3/06](#))
- B64D 9/00** **Equipment for handling freight; Equipment for facilitating passenger embarkation or the like (emergency equipment 17/00, 19/00, 25/00; structures integral with fuselage to facilitate loading, fuselage floors specially adapted for freight, steps mounted on and retractable within aircraft [B64C](#); ground installations [B64F](#))**
- B64D 9/003 . {Devices for retaining pallets or freight containers (securing freight containers on vehicles [B60P 7/00](#))}
- B64D 10/00** {Flying suits (helmets in general [A42B 3/00](#); breathing helmets [A62B 18/00](#))}
- B64D 11/00** **Passenger or crew accomodation; Flight-deck installations not otherwise provided for**
- B64D 11/0007 . {Devices specially adapted for food or beverage distribution services}
- B64D 11/0015 . {Arrangements for entertainment or communications, e.g. radio, television}
- B64D 11/0023 . {Movable or removable cabin dividers, e.g. for class separation (bulkheads [B64C 1/10](#))}
- B64D 11/003 . {Stowage devices for passengers` personal luggage}
- B64D 11/02 . Toilet fittings (of general application [A47K](#))
- B64D 11/04 . Galleys
- B64D 11/06 . Arrangements or adaptations of seats (seat constructions for emergency purposes [B64D 25/04](#); {seat accessories [B60N 3/00](#)})
- B64D 11/0689 .. {specially adapted for pilots}
- B64D 11/0693 .. {Width modification of seat assemblies, e.g. for class modification}
- B64D 11/0696 .. {Means for fastening seats to floors, e.g. to floor rails}
- B64D 13/00** **Arrangements or adaptations of air-treatment apparatus for aircraft crew or passenger, or freight space; {or structural parts of the aircraft}(treatment rooms with artificial climate for medical purposes [A61G 10/02](#); respiratory apparatus in general [A62B](#); for for vehicles in general [B60H](#))**

B64D 13/006 . {the air being used to cool structural parts of the aircraft}

B64D 13/02 . the air being pressurised

B64D 13/04 .. Automatic control of pressure

B64D 13/06 . the air being conditioned (pressurising [B64D 13/02](#))

B64D 13/08 .. the air being heated or cooled

B64D 15/00 **De-icing or preventing icing on exterior surfaces of aircraft** (motor vehicles specially adapted for carrying de-icing equipment [B60P](#); {Ground-installations for de-icing aircraft [B64F 5/0036](#)})

B64D 15/02 . by ducted hot gas or liquid

B64D 15/04 .. Hot gas application

B64D 15/06 .. Liquid application (in general [B05](#))

B64D 15/08 ... exuded from surface

B64D 15/10 ... sprayed over surface

B64D 15/12 . by electric heating (electric heating elements in general [H05B](#))

B64D 15/14 .. controlled cyclically along length of surface

B64D 15/16 . by mechanical means

B64D 15/163 .. {using electro-impulsive devices}

B64D 15/166 .. {using pneumatic boots}

B64D 15/20 . Means for detecting icing or initiating de-icing

B64D 15/22 .. Automatic initiation by icing detector

B64D 17/00 **Parachutes** (non canopied parachutes [B64D 19/00](#))

B64D 17/02 . Canopy arrangement or construction

NOTE

[B64D 17/025](#) takes precedence over [B64D 17/04](#) - [B64D 17/18](#)

B64D 17/025 .. {for gliding chutes}

B64D 17/04 .. formed with two or more canopies arranged about a common axis

B64D 17/06 .. formed with two or more canopies arranged in a cluster

B64D 17/08 .. Secondary or shock-absorbing canopies attached to load line

B64D 17/10 .. Ribbon construction or the like

B64D 17/12 .. constructed to provide variable or non-uniform porosity over area of canopy

B64D 17/14 .. with skirt or air-deflecting panels

B64D 17/16 ... secured to hem of main canopy

B64D 17/18 .. Vent arrangement or construction

- B64D 17/20 . . . variable in area
- B64D 17/22 . Load suspension
- B64D 17/24 .. Rigging lines
- B64D 17/26 ... attached to hem of canopy
- B64D 17/28 ... attached to apex of canopy
- B64D 17/30 .. Harnesses ([harnesses per se A62B](#))
- B64D 17/32 ... Construction of quick-release box
- B64D 17/34 .. adapted to control direction or rate of descent
- B64D 17/343 ... {by reefing means}
- B64D 17/346 ... {by anti-squid lines}
- B64D 17/36 .. incorporating friction devices or frangible connections to reduce shock loading of canopy {([B64D 17/343](#), [B64D 17/346](#) take precedence)}
- B64D 17/38 .. Releasable fastening devices between parachute and load or pack
- B64D 17/383 ... {Cargo release hooks}
- B64D 17/386 ... {Devices adapted to cut lines or straps}
- B64D 17/40 . Packs
- B64D 17/42 .. rigid
- B64D 17/44 ... forming part of load
- B64D 17/46 .. Closing means
- B64D 17/48 .. with separate pack for extractor of auxiliary parachute
- B64D 17/50 .. formed with separate compartments for main canopy, rigging lines, or auxiliary parachute
- B64D 17/52 .. Opening, e.g. manual
- B64D 17/54 ... automatic
- B64D 17/56 responsive to barometric pressure
- B64D 17/58 responsive to time-delay mechanism
- B64D 17/60 by static line
- B64D 17/62 . Deployment
- B64D 17/64 .. by extractor parachute
- B64D 17/66 ... attached to hem of main canopy
- B64D 17/68 ... attached to apex of main canopy
- B64D 17/70 .. by springs
- B64D 17/72 .. by explosive or inflatable means
- B64D 17/725 ... {by explosive means}
- B64D 17/74 .. Sequential deployment of a plurality of canopies
- B64D 17/76 .. facilitated by method of folding or packing
- B64D 17/78 . in association with other load-retarding apparatus
- B64D 17/80 . in association with aircraft, e.g. for braking thereof

- B64D 19/00** **Non-canopied parachutes**
- B64D 19/02 . Rotary-wing parachutes
- B64D 21/00** **Testing of parachutes**
- B64D 23/00** **Training of parachutists**
- B64D 25/00** **Emergency apparatus or devices, not otherwise provided for** ([parachutes B64D 17/00](#), [B64D 19/00](#); jettisoning of fuel tanks or fuel [per se B64D 37/00](#); {specially adapted for protection against criminal attack, e.g. anti-hijacking systems [B64D 45/0015](#)}; safety belts or body harnesses in general [A62B 35/00](#); safety belts or body harnesses for land vehicles [B60R 22/00](#); jettisonable parts of fuselage facilitating emergency escape [B64C](#))
- B64D 25/02 . Supports or holding means for living bodies
- B64D 25/04 .. Seat modifications
- B64D 25/06 .. Harnessing
- B64D 25/08 . Ejecting or escaping means ([escape apertures B64C](#))
- B64D 25/10 .. Ejector seats
- B64D 25/12 .. Ejectable capsules
- B64D 25/14 .. Inflatable escape chutes
- B64D 25/16 .. Dinghy stowage
- B64D 25/18 .. Flotation gear ([aircraft alighting gear B64C](#))
- B64D 25/20 .. Releasing of crash position indicators
- B64D 27/00** **Arrangement or mounting of power plant in aircraft; Aircraft characterised thereby** ([attitude, flight direction, or altitude control of aircraft by jet reaction B64C](#))
- B64D 27/02 . Aircraft characterised by the type or position of power plant ([fuselages or wings adapted for mounting power plant B64C](#))
- B64D 27/023 .. [N of rocket type e.g. for assisting taking-off or braking]
- B64D 27/04 .. of piston type
- B64D 27/06 ... within or attached to wing
- B64D 27/08 ... within or attached to fuselage
- B64D 27/10 .. of gas-turbine type ([B64D 27/16](#) takes precedence)
- B64D 27/12 ... within or attached to wing
- B64D 27/14 ... within or attached to fuselage
- B64D 27/16 .. of jet type
- B64D 27/18 ... within or attached to wing
- B64D 27/20 ... within or attached to fuselage
- B64D 27/22 .. using atomic energy

- B64D 27/24 . . . using steam, electricity, or spring force ([B64D 27/16](#) takes precedence)
- B64D 27/26 . Aircraft characterised by construction of power-plant mounting
- B64D 29/00** **Power-plant nacelles, fairings, or cowlings** (nacelles not otherwise provided for [B64C](#))
- B64D 29/02 . associated with wings ([wings adapted for mounting power plant B64C](#))
- B64D 29/04 . associated with fuselages
- B64D 29/06 . Attaching of nacelles, fairings or cowlings
- B64D 29/08 . Inspection panels for power plants
- B64D 31/00** **Power plant control; Arrangement thereof** (flying controls [B64C](#)){[F02](#) takes precedence}
- B64D 31/02 . Initiating means
- B64D 31/04 . . . actuated personally
- B64D 31/06 . . . actuated automatically
- B64D 31/08 for keeping cruising speed constant ([conjoint control of power plant and propeller B64C](#))
- B64D 31/10 for preventing asymmetric thrust upon failure of one power plant
- B64D 31/12 for equalising or synchronising power plants
- B64D 31/14 . Transmitting means between initiating means and power plants
- B64D 33/00** **Arrangements in aircraft of power plant parts or auxiliaries not otherwise provided for**
- B64D 33/02 . of combustion air intakes ([air intakes for gas-turbine plants or jet-propulsion plants per se F02C 7/04](#); [air intakes for combustion engines in general F02M 35/00](#))
- B64D 33/04 . of exhaust outlets or jet pipes ([exhaust outlets for combustion engines in general F01N](#); [jet pipes or nozzles for jet-propulsion plants per se F02K](#); [plants characterised by the form or arrangement of the jet pipe or nozzle F02K](#)){ [attitude, flight direction, or altitude control by jet reaction B64C](#)}
- B64D 33/06 . . . Silencing exhaust or propulsion jets ([ground installations B64F](#))
- B64D 33/08 . of power plant cooling systems ([cooling of internal-combustion engines per se F01P](#); [cooling of gas-turbine plants or jet-propulsion plants per se F02C, K](#))
- B64D 33/10 . . . Radiator arrangement
- B64D 33/12 of retractable type
- B64D 35/00** **Transmitting power from power plant to propellers or rotors; Arrangements of transmissions** ([propellers or rotors per se, helicopter transmissions B64C](#))
- B64D 35/02 . characterised by the type of power plant

- B64D 35/04 . characterised by the transmission driving a plurality of propellers or rotors
- B64D 35/06 .. the propellers or rotors being counter-rotating
- B64D 35/08 . characterised by the transmission being driven by a plurality of power plants
- B64D 37/00** **Arrangements in connection with fuel supply for power plant (refuelling during flight [B64D 39/00](#))**
- B64D 37/005 . {Accessories not provided for in the groups [B64D 37/02](#) to [B64D 37/28](#)}
- B64D 37/02 . Tanks (tanks constructed integrally with aircraft wings [B64C](#); shape or construction of tanks per se [B65D](#))
- B64D 37/04 .. Arrangement thereof in or on aircraft
- B64D 37/06 .. Constructional adaptations thereof
- B64D 37/08 ... Internal partitioning
- B64D 37/10 ... to facilitate fuel pressurisation
- B64D 37/12 ... jettisonable
- B64D 37/14 .. Filling or emptying (transferring fuels to adjust aircraft trim [B64C](#))
- B64D 37/16 ... Filling systems (ground installations for fuelling aircraft [B64F](#))
- B64D 37/18 Conditioning fuel during filling
- B64D 37/20 ... Emptying systems
- B64D 37/22 facilitating emptying in any position of tank
- B64D 37/24 using gas pressure
- B64D 37/26 Jettisoning of fuel
- B64D 37/28 Control thereof
- B64D 37/30 . Fuel systems for specific fuels
- B64D 37/32 . Safety measures not otherwise provided for, e.g. preventing explosive conditions (extinguishing or preventing fires in aircraft [A62C](#))
- B64D 37/34 . Conditioning fuel, e.g. heating (during filling [B64D 37/18](#))
- B64D 39/00** **Refuelling during flight (filling or emptying fuel tanks [B64D 37/14](#))**
- B64D 39/02 . Means for paying-in or out hose
- B64D 39/04 . Adaptations of hose construction (pipes in general [F16L](#))
- B64D 39/06 . Connecting hose to aircraft; Disconnecting hose therefrom
- B64D 41/00** **Power installations for auxiliary purposes**
- B64D 41/007 . {Ram air turbines}

- B64D 43/00** **Arrangements or adaptations of instruments** (arrangements of cameras [47/08](#); aeronautical measuring instruments per se [G01C](#))
- [B64D 43/02](#) . for indicating aircraft speed or stalling conditions
- B64D 45/00** **Aircraft indicators or protectors not otherwise provided for** (camouflage [F41H 3/00](#))
- [B64D 45/0005](#) . {Devices specially adapted to indicate the position of a movable element of the aircraft, e.g. landing gear}
- [B64D 45/0015](#) . {Devices specially adapted for the protection against criminal attack, e.g. anti-hijacking systems}
- [B64D 45/02](#) . Lightning protectors; Static dischargers (in general [H01T](#))
- [B64D 45/04](#) . Landing aids; Safety measures to prevent collision with earth`s surface
- [B64D 45/06](#) .. mechanical
- [B64D 45/08](#) .. optical
- B64D 47/00** **Equipment not otherwise provided for**
- [B64D 47/02](#) . Arrangements or adaptations of signal or lighting devices
- [B64D 47/04](#) .. the lighting devices being primarily intended to illuminate the way ahead
- [B64D 47/06](#) .. for indicating aircraft presence
- [B64D 47/08](#) . Arrangements of cameras
- B64D 2009/00** **Equipment for handling freight; Equipment for facilitating passenger embarkation or the like** (emergency equipment [17/00](#), [19/00](#), [25/00](#); structures integral with fuselage to facilitate loading, fuselage floors specially adapted for freight, steps mounted on and retractable within aircraft [B64C](#); ground installations [B64F](#))
- [B64D 2009/006](#) . Rollers or drives for pallets of fright containers; e.g. PDU
- B64D 2010/00** { Flying suits (helmets in general [A42B 3/00](#); breathing helmets [A62B 18/00](#))}
- [B64D 2010/002](#) . Anti-g suits or garments
- [B64D 2010/005](#) . High altitude suits or garments, e.g. partial or total pressure
- [B64D 2010/007](#) . Suits with cooling or heating means
- B64D 2011/00** **Passenger or crew accomodation; Flight-deck installations not otherwise provided for**

- B64D 2011/0038 . Illumination systems for cabins as a whole
- B64D 2011/0046 . Modular or preassembled units for creating cabin interior structures
- B64D 2011/0053 . Cabin passenger reading lights
- B64D 2011/0061 . Windows displaying outside view, artificially generated
- B64D 2011/0069 . Rest berths, beds or the like
- B64D 2011/0076 .. for crew members, e.g. for sleeping during flight
- B64D 2011/0084 .. Bed units for passengers attached to the ceiling of the fuselage
- B64D 2011/0092 .. Arrangements for mounting stretchers in aircraft cabins
- B64D 2011/06 . Arrangements or adaptations of seats ([seat constructions for emergency purposes B64D 25/04](#); {[seat accessories B60N 3/00](#)})
- B64D 2011/0603 .. Details of seats
- B64D 2011/0606 ... with inclination or position adjusting mechanisms
- B64D 2011/061 ... with airbag storages
- B64D 2011/0613 ... with arm rests
- B64D 2011/0617 ... arranged for providing alternative seat dispositions, e.g. angled
- B64D 2011/062 ... convertible into beds
- B64D 2011/0624 ... adapted for children
- B64D 2011/0627 ... with energy absorbing means
- B64D 2011/0631 ... with ejection means
- B64D 2011/0634 ... making use of electric motors
- B64D 2011/0637 ... with internet connection, earphone jacks, or electric supply sockets
- B64D 2011/0641 ... Seats with means for exercising during travel, e.g. against congestion
- B64D 2011/0644 ... with floor attachments
- B64D 2011/0648 ... with adjustable foot or leg rests
- B64D 2011/0651 ... with individual temperature controls
- B64D 2011/0655 ... designed for facilitating manufacturing or for reducing weight
- B64D 2011/0658 ... including a bed and entertainment equipments, e.g. cocoon type passenger seat modules
- B64D 2011/0662 ... with personal storage means or waste disposal bags
- B64D 2011/0665 ... with privacy shells, screens, separators or the like
- B64D 2011/0668 ... with belts, or other passenger restraintment, or with headrests
- B64D 2011/0672 ... with storage means for life vests, oxygen masks or parachutes
- B64D 2011/0675 ... with means for holding the passenger in a standing position
- B64D 2011/0679 ... with foldable tables, trays or cup holders
- B64D 2011/0682 ... with upholstery or cushioning
- B64D 2011/0686 ... with ventilation means
- B64D 2013/00** **Arrangements or adaptations of air-treatment apparatus for aircraft crew or passenger, or freight space; {[or structural parts of the aircraft](#)}([treatment rooms with](#)**

artificial climate for medical purposes [A61G 10/02](#); respiratory apparatus in general [A62B](#); for for vehicles in general [B60H](#))

- B64D 2013/003 . Cabin ventilation nozzles
- B64D 2013/06 . the air being conditioned ([pressurising B64D 13/02](#))
- B64D 2013/0603 .. Environmental Control Systems
- B64D 2013/0607 ... providing hot air or liquid for deicing aircraft parts, e.g. aerodynamic surfaces or windows
- B64D 2013/0611 ... combined with auxiliary power units (APU's)
- B64D 2013/0614 ... with subsystems for cooling avionics
- B64D 2013/0618 ... with arrangements for reducing or managing bleed air, using another air source, e.g. ram air
- B64D 2013/0622 ... used in combination with boundary layer control systems
- B64D 2013/0625 ... comprising means for distribution effusion of conditioned air in the cabin
- B64D 2013/0629 ... with subsystems for cooling food, catering or special loads
- B64D 2013/0633 ... including chemical reaction-based thermal management systems
- B64D 2013/0637 ... with CO2 removers
- B64D 2013/064 ... comprising more than one system, e.g. dual systems
- B64D 2013/0644 ... including electric motors or generators
- B64D 2013/0648 ... with energy recovery means, e.g. using turbines
- B64D 2013/0651 ... comprising filters, e.g. dust filters
- B64D 2013/0655 ... with zone or personal climate controls
- B64D 2013/0659 ... comprising provisions for cooling fuel systems
- B64D 2013/0662 ... with humidity control
- B64D 2013/0666 ... with means for preventing icing within the ECS components
- B64D 2013/067 ... with air ionizers
- B64D 2013/0674 ... comprising liquid subsystems
- B64D 2013/0677 ... comprising on board oxygen generator systems
- B64D 2013/0681 ... with oxygen control
- B64D 2013/0685 ... with ozone control
- B64D 2013/0688 ... with means for recirculating cabin air
- B64D 2013/0692 ... with special provisions against smoke from cigarettes
- B64D 2013/0696 ... with provisions for starting power plants

- B64D 2027/00 **Arrangement or mounting of power plant in aircraft; Aircraft characterised thereby (attitude, flight direction, or altitude control of aircraft by jet reaction [B64C](#))**
- B64D 2027/005 . Aircraft with an unducted turbofan comprising contra-rotating rotors, e.g. contra-rotating open rotors [CROR]
- B64D 2027/02 . Aircraft characterised by the type or position of power plant ([fuselages or wings adapted for mounting power plant B64C](#))
- B64D 2027/026 .. comprising different types of power plants, e.g. combination of an electric motor

and a gas-turbines

- B64D 2027/26 . Aircraft characterised by construction of power-plant mounting
- B64D 2027/262 .. Engine support arrangements or elements
- B64D 2027/264 ... comprising box like supporting frames
- B64D 2027/266 ... comprising suspension arrangements for supporting vertical loads
- B64D 2027/268 ... comprising thrust links

B64D 2033/00 Arrangements in aircraft of power plant parts or auxiliaries not otherwise provided for

- B64D 2033/02 . of combustion air intakes ([air intakes for gas-turbine plants or jet-propulsion plants per se F02C 7/04](#); [air intakes for combustion engines in general F02M 35/00](#))
- B64D 2033/0206 .. comprising noise reduction means, e.g. acoustic liners
- B64D 2033/0213 .. specially adapted for auxiliary power units (APU's)
- B64D 2033/022 .. comprising bird or foreign object protections
- B64D 2033/0226 .. comprising boundary layer control means
- B64D 2033/0233 .. comprising de-icing means
- B64D 2033/024 .. comprising cooling means
- B64D 2033/0246 .. comprising particle separators
- B64D 2033/0253 .. specially adapted for particular type of aircraft
- B64D 2033/026 ... for supersonic or hypersonic aircraft
- B64D 2033/0266 .. specially adapted for particular type of power plants
- B64D 2033/0273 ... for jet engines
- B64D 2033/028 ... for piston engines
- B64D 2033/0286 ... for turbofan engines
- B64D 2033/0293 ... for turboprop engines
- B64D 2033/04 . of exhaust outlets or jet pipes ([exhaust outlets for combustion engines in general F01N](#); [jet pipes or nozzles for jet-propulsion plants per se F02K](#); [plants characterised by the form or arrangement of the jet pipe or nozzle F02K](#)){ [attitude, flight direction, or altitude control by jet reaction B64C](#)}
- B64D 2033/045 .. comprising infrared suppressors

B64D 2037/00 Arrangements in connection with fuel supply for power plant ([refuelling during flight B64D 39/00](#))

- B64D 2037/32 . Safety measures not otherwise provided for, e.g. preventing explosive conditions ([extinguishing or preventing fires in aircraft A62C](#))
- B64D 2037/325 .. Fuel tanks with provisions for reduction hydraulic ram shocks due to projectile impacts

B64D 2041/00 Power installations for auxiliary purposes

- B64D 2041/002 . Mounting arrangements for auxiliary power units (APU's)

- B64D 2041/005 . Fuel cells

- B64D 2045/00 Aircraft indicators or protectors not otherwise provided for ([camouflage F41H 3/00](#))**

- B64D 2045/0005 . {Devices specially adapted to indicate the position of a movable element of the aircraft, e.g. landing gear}
- B64D 2045/001 . . for indicating symmetry of flaps deflection

- B64D 2045/0015 . {Devices specially adapted for the protection against criminal attack, e.g. anti-hijacking systems}
- B64D 2045/002 . . by disabling or restraining attackers
- B64D 2045/0025 . . . by spraying gases in cabins ,or by shooting darts with anesthetic effects
- B64D 2045/003 . . by monitoring cabins
- B64D 2045/0035 . . . using cameras
- B64D 2045/004 . . . detecting passenger or pilot behaviors by sensors, e.g. biometrics
- B64D 2045/0045 . . by communicating emergency situations to ground control, or between crew members
- B64D 2045/005 . . by protecting cabin or luggage from bombs
- B64D 2045/0055 . . by overriding pilot's controls, or by directing aircraft from ground control to avoid certain paths or zones
- B64D 2045/006 . . by avoiding the use of electronic equipment during flight, e.g. of mobile phones or laptops

- B64D 2045/0065 . Black boxes, devices automatically broadcasting distress signals

- B64D 2045/007 . Indicators or signs in the cabin, e.g. exit signs or seat numbering

- B64D 2045/0075 . Flight bags, including electronic type flight bags; Supports therefor in the cockpit

- B64D 2045/008 . Devices for detecting or indicating hard landing

- B64D 2045/0085 . Devices for aircraft health monitoring, e.g. monitoring flutter or vibration

- B64D 2045/009 . Fire detection or protection; Erosion protection, e.g. from airborne particles

- B64D 2045/0095 . Devices specially adapted to avoid bird strike

- B64D 2201/00 Airbags mounted in aircraft for any use**

- B64D 2203/00 Aircraft or airfield lights using LEDs**

- B64D 2205/00 Aircraft with means for ground manoeuvring, such as taxiing, using an auxiliary**

thrust system, e.g. jet-engines, propellers or compressed air

B64D 2211/00 Arrangements of solar panels on aircraft

B64D 2221/00 Electric power distribution systems onboard aircraft

B64D 2231/00 Emergency oxygen systems

B64D 2231/02 . Supply or distribution systems

B64D 2231/025 .. Oxygen masks; Mask storages (adaptations for seats **L60D 11/06A40**); Features related to mask deployment.

B64D 2241/00 NACA type air intakes

B64D 2700/00 ** to be decided **

B64D 2700/62 . ** to be decided **

B64D 2700/62008 .. Aircraft equipment

B64D 2700/62017 ... Respiratory apparatus for high altitude

B64D 2700/62026 Pressurised cabins

B64D 2700/62035 Pressure control valves

B64D 2700/62043 ... Indicators; Protective devices

B64D 2700/62052 De-icing or preventing icing

B64D 2700/62061 of structural elements, e.g. fuselage, wings and the like

B64D 2700/6207 by mechanical means

B64D 2700/62078 by electric heating

B64D 2700/62087 by ducted exhaust gas

B64D 2700/62096 of propellers

B64D 2700/62105 by mechanical means

B64D 2700/62114 by electric heating

B64D 2700/62122 by ducted exhaust gas

B64D 2700/62131 of windows or air intakes

B64D 2700/6214 by mechanical means

B64D 2700/62149 by electric heating

B64D 2700/62157 by ducted exhaust gas

B64D 2700/62166 ... Mounting of instruments

B64D 2700/62175 .. Dashboards; Radar antennae; Chart tables

B64D 2700/62184 .. Measuring instruments

B64D 2700/62192 ... not using electrical means

B64D 2700/62201 Turbulence detectors not using radar signals

B64D 2700/6221	...	using electrical means
B64D 2700/62219	....	Electric safety devices
B64D 2700/62228	....	Electric compensation or correction devices
B64D 2700/62236	....	Electrical circuits for acceleration indicators
B64D 2700/62245	....	Electric circuits for rate of change indicators
B64D 2700/62254	.....	Airspeed indicators
B64D 2700/62263	.....	Devices indicating or eliminating decrease of the airspeed
B64D 2700/62271	....	Roll, pitch or yaw indicators
B64D 2700/6228	.....	Airflow direction indicators
B64D 2700/62289	...	Flight recorders, e.g. black boxes
B64D 2700/62298	..	Weight and center of gravity indicators
B64D 2700/62307	...	Tanks
B64D 2700/62315	..	Tanks or accessories
B64D 2700/62324	...	Manufacturing and materials
B64D 2700/62333	....	Special panels
B64D 2700/62342	.....	Flexible or foldable panels
B64D 2700/6235	.....	Self-sealing or double panels; Tanks suspended elastically
B64D 2700/62359	.....	Thermally insulated walls
B64D 2700/62368	...	Fluid level indicators
B64D 2700/62377	...	Accessories, e.g. packs, floats, valves
B64D 2700/62385	..	Mounting of tanks; Supporting devices
B64D 2700/62394	...	Auxiliary tanks; Tanks convertible into floating devices
B64D 2700/62403	...	Wing parts used as fuel tanks
B64D 2700/62412	..	Emptying or filling of tanks
B64D 2700/62421	...	Emptying devices
B64D 2700/62429	....	Flow lines; Couplings
B64D 2700/62438	..	Safety devices for tanks
B64D 2700/62447	...	Fire preventing devices
B64D 2700/62456	....	Explosion preventing devices
B64D 2700/62464	...	Devices for degassing fuel or for controlling boiloff
B64D 2700/62473	...	Parachutes
B64D 2700/62482	..	Parts or accessories
B64D 2700/62491	...	Construction of canopies
B64D 2700/625	...	Load suspension; Harnesses or quick release boxes
B64D 2700/62508	..	Disposition or mounting in aircraft
B64D 2700/62517	..	Manufacturing or packing
B64D 2700/62526	...	Parachutes with a rigid armature
B64D 2700/62535	...	Means for deflating the parachute after use
B64D 2700/62543	...	Means to open or to close the parachute pack
B64D 2700/62552	...	Devices to open or to drive the parachute during fall
B64D 2700/62561	....	Devices to control the time or rate of the opening; Deceleration devices
B64D 2700/6257	....	Opening induced by means other than airstream

- B64D 2700/62578 .. Special uses of parachutes or similar devices
- B64D 2700/62587 .. Other emergency devices, e.g. balloons, parachutes with propellers
- B64D 2700/62596 ... Dropping, ejecting, releasing or receiving articles during flight
- B64D 2700/62605 .. Dropping, ejecting or releasing articles
- B64D 2700/62614 ... the article being explosive, e.g. bombs
- B64D 2700/62622 equipped with parachutes, rotary wings or rudders
- B64D 2700/62631 ... Armaments
- B64D 2700/6264 .. Mounting of flame-projectors
- B64D 2700/62649 .. Mounting of firearms
- B64D 2700/62657 .. Devices adapted to shoot throught the hollow propeller shaft
- B64D 2700/62666 ... Means for protecting aircraft against aerial barriers
- B64D 2700/62675 ... Turrets which can be lowered
- B64D 2700/62684 ... General disposition of the aircraft in relation to the propulsion means
- B64D 2700/62692 .. Tractive or propulsive propellers
- B64D 2700/62701 ... operated by hydraulic power
- B64D 2700/6271 ... operated by electrical power
- B64D 2700/62719 ... jet-driven
- B64D 2700/62728 ... Specific for seaplanes or amphibian aircrafts
- B64D 2700/62736 .. jet propulsion
- B64D 2700/62745 ... combined with propellers
- B64D 2700/62754 ... combined with jet-deflectors
- B64D 2700/62763 ... Propulsion or transmission devices
- B64D 2700/62771 .. General arrangements
- B64D 2700/6278 ... in propeller driven aircraft
- B64D 2700/62789 In seaplanes or amphibian aircraft
- B64D 2700/62798 One propeller being driven by several engines
- B64D 2700/62807 Several non-coaxial propellers driven by only one engine
- B64D 2700/62815 Double propellers
- B64D 2700/62824 co-rotating
- B64D 2700/62833 counter-rotating
- B64D 2700/62842 driven by only one engine
- B64D 2700/6285 driven by several engines
- B64D 2700/62859 ... in jet propulsion aircraft
- B64D 2700/62868 .. Manufacturing of propellers or propulsive wheels
- B64D 2700/62877 ... Variable-pitch blades
- B64D 2700/62885 Torque transmission to the propeller shaft
- B64D 2700/62894 Coupling between motor shaft and propeller shaft
- B64D 2700/62903 through an overrunning coupling, a friction clutch, an adjustable slipping coupling, a hydraulic coupling or a retarding coupling
- B64D 2700/62912 through a device which changes the direction of rotation of the propeller relative to the engine
- B64D 2700/62921 Brakes arranged on the propeller shaft

B64D 2700/62929	.....	Lubrication of the transmission
B64D 2700/62938	...	Arrangements of propulsion plants
B64D 2700/62947	....	in propeller driven aircraft
B64D 2700/62956	....	in jet propulsion aircraft
B64D 2700/62964	....	Engines ejectable during flight
B64D 2700/62973	....	Heating and cooling devices
B64D 2700/62982	....	Elastic suspension using rubber
B64D 2700/62991	...	Devices for braking or boosting aircraft, e.g. auxiliary propeller, rockets, jets, take-off assistance